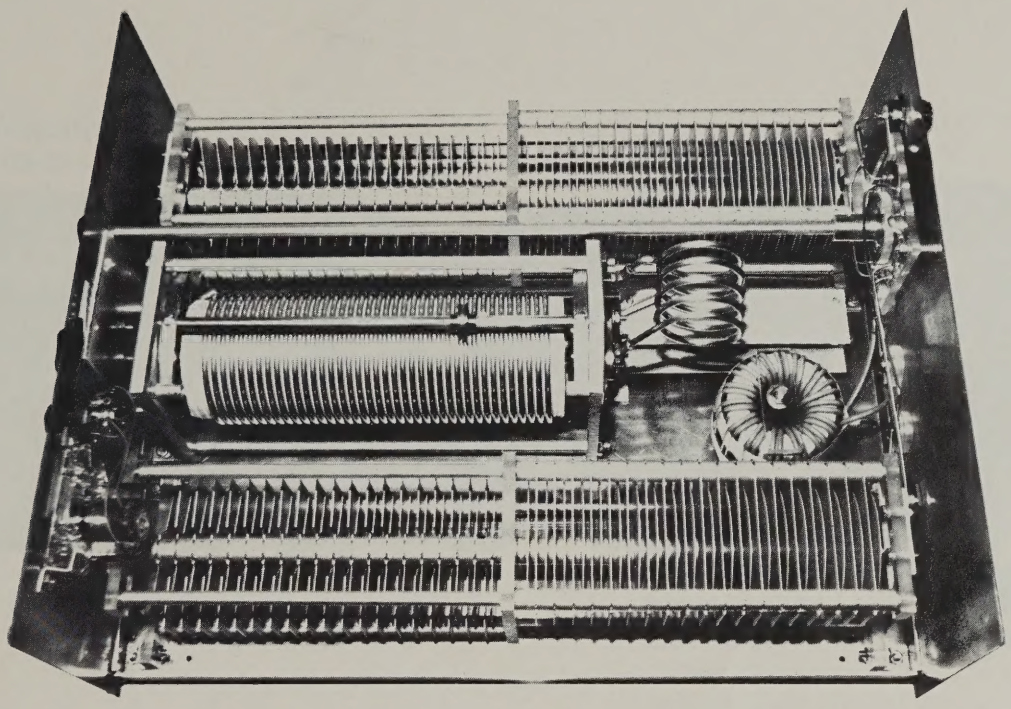
The Ultimate Transmatch - Model UT-2000B



Murch Electronics, Inc. has been designing and manufacturing tuners for 12 years. Except for our model 68A antenna, all of our effort is concentrated on producing the finest transmatches available.

At our plant in Franklin, Maine, Yankee craftsmen manufacture and assemble by hand, to give you, our customer, a quality product worthy of your investment. When you want the best, don't settle for an imitation - invest in Murch - the leader in transmatches.

See July 1970 QST article by Lewis McCoy

Specifications

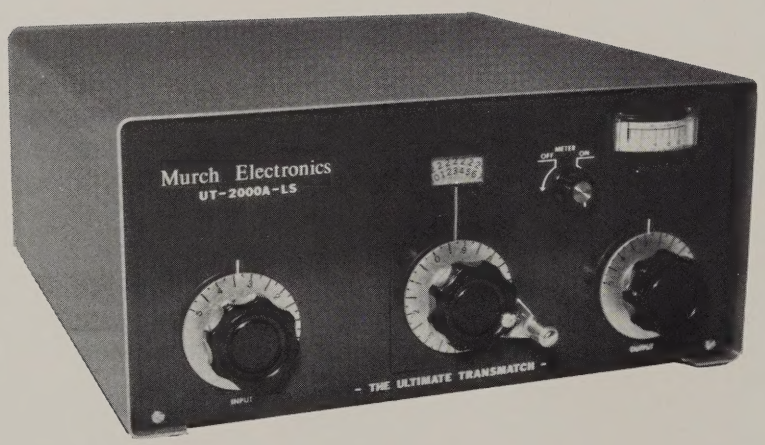
* Continuous tuning 10-160 meters
* Front panel function switch - in and out - dummy load (not supplied) - ground
* Handles any antenna system, dipoles, random wires, verticals, whips, beams, open wire line
* Built in heavy duty 4 to 1 balun, 3 cores
* Ceramic rotary inductor, #8 gauge wire
* Turns counter for precise tuning
* 4000 volt capacitors
* Built in line sampler - no external bridge needed
* Full legal power on all bands
* Provides an SWR of 1 to 1 to the transmitter
* Gray cabinet, dark gray panel
* 12″w X 15½″d X 5″h
* Shipping weight: 13 lbs.

The Ultimate Transmatch - Model UT2000A

Specifications

* Continuous coverage 10-80 meters
* Use with any antenna, dipoles, random wires, verticals, whips, beams, except antennas with open wire line
* Ceramic rotary inductor, #8 gauge wire
* Turns counter for precise tuning
* 4000 volt capacitors
* Use with any SWR bridge
* Full legal power all bands
* Provides an SWR of 1 to 1 to the transmitter
* Gray cabinet, dark gray panel
* 12″w X 12″d X 5½″h
* Shipping weight: 12 lbs.

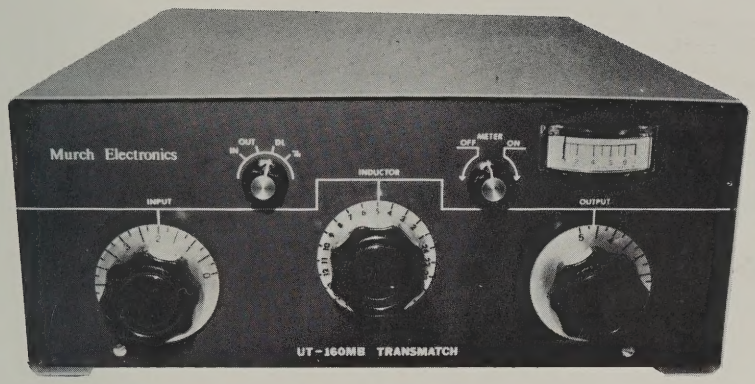
The Ultimate Transmatch - Model UT2000A-LS



Specifications

* Built in line sampler - no external bridge required
* Continuous coverage 10-80 meters
* Use with any antenna, dipoles, random wires, verticals, whips, beams, except antennas with open wire line
* Ceramic rotary inductor, #8 gauge wire
* Turns counter for precise tuning
* 4000 volt capacitors
* Full legal power all bands
* Provides an SWR of 1 to 1 to the transmitter
* Gray cabinet, dark gray panel
* 12″w X 12″d X 5½″h
* Shipping weight: 12 lbs.

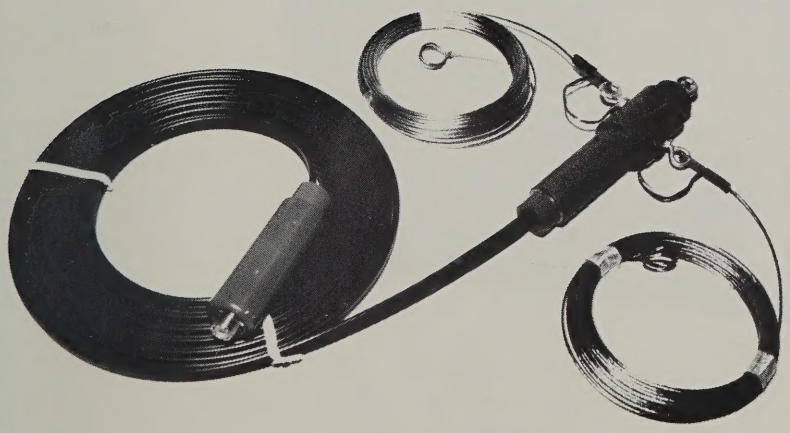
The Ultimate Transmatch - Models UT160M & UT160MB



Specifications

* Continuous tuning 10-160 meters
* Ceramic fixed inductor, tapped every turn each band
* Use with any antenna, random wires, verticals, whips, beams, open wire line
* Front panel function switch - in and out - dummy load (not supplied) - ground
* 4000 volt capacitors
* Built in line sampler - no external bridge required
* Full legal power all bands
* SWR of 1 to 1 to the transmitter
* Model UT160MB with built in heavy duty 4 to 1 balun, 3 cores
* Gray cabinet, dark gray panel
* 12″w x 15½″d x 5″h
* Shipping weight: 13 lbs.

Multiband Dipole Antenna - Model 68A



Specifications

* Continuous coverage 10-80 meters
* Sealed center unit
* 102′ 7-22 antenna wire
* 30′ heavy duty twin lead
* Sealed coax fitting on twin lead
* Use as a flat dipole
* May be used as an inverted V with the Murch tuners
* Average SWR about 2.5 to 1
* Replaces all wire except coax
* No traps or baluns
* 2000 watts PEP

Murch Electronics, Inc.
P.O. Box 69
Franklin, Maine 04634

MURCH - THE LEADER IN TRANSMATCHES

INSTRUCTIONS

Model 68A Antenna

The antenna is ready to install as a flat dipole as received.

Make installation in such a manner that the center unit is approximately 30 feet or more above ground, and the outer ends approximately the same.

Do not allow the ribbon section of lead-in to come in contact with the ground, and keep ribbon as far as possible from grounded metal objects. Bring ribbon straight away from the antenna proper.

The regular coax transmission line from transmitter should be 68 feet or more long, and should be 50 to 53 ohms impedance.

Connect the coax transmission line to the coax fitting on ribbon and carefully tape this connection to make a water tight joint.

NOTES:

Antenna should be installed as high as possible.
Should be in the clear as much as possible.
A center support is very desirable, but not a requirement.
The antenna is designed to use as a flat dipole without changes, and every effort should be made to use it in this configuration.
The inverted "V" configuration should be avoided if in any way possible. If the inverted "V" is used, the SWR may be improved by adding equal amounts of wire to each end "cut and try".
Adverse environmental conditions will effect the SWR.
An SWR of about 2.6 to 1 should occur at the extreme ends of the 75-80 band and should decrease rapidly as operation moves into the band.
An average SWR of 1.74 to 1 is typical.
Proper loading of the transmitter and on the air reports are indicative of results.
A short piece of nylon rope makes an excellent insulator for the outer ends and is light in weight.
Careful installation will pay for itself in better performance.

CAUTION:

Carefully unwind the copper antenna wire. Keep a light tension on the wire when installing to avoid kinks.